

CLAIMS:

1. A clamp for securing a gun rack to a vehicle, the clamp comprising:
an elongated frame member including opposing first and second ends;
a first clamp member coupled to the frame member at the first end and
5 configured to grip a door frame;
a second clamp member coupled to the frame member at the second
end in spaced relation to the first clamp member and configured to grip a door frame;
and
a tightener including a user input supported by to the frame member at
10 the second end and configured to drive the second clamp member in movement
toward the first clamp member.
2. The clamp of claim 1, wherein:
the tightener includes a threaded post coupled to the second end of the
frame member, and a tightening tab coupled to the second clamp member and slidably
15 receiving the post; and
the user input includes a nut threadably received on the post, the nut
being configured to drive the tab in movement relative to the threaded post as the nut
is rotated on the post in a direction causing movement toward the first clamp member.
3. The clamp of claim 2, wherein the tightener includes a parallel pair of
20 threaded posts and a pair of nuts threadably received on the pair of posts.
4. The clamp of claim 1, wherein:
the tightener includes a threaded insert coupled to the second end of
the frame member, and a tightening tab coupled to the second clamp member and
coaxially aligned with the threaded insert; and
25 the user input includes a bolt threadably received within the insert, the
bolt being configured to drive the tab in movement relative to the insert as the bolt is
rotated within the insert in a direction causing movement toward the first clamp
member.
5. The clamp of claim 1, further comprising a threaded post extending
30 upwardly from the frame proximate the second end, the second clamp member
including a longitudinally extending slot receiving the threaded post wherein the
second clamp member is configured to slidably move relative to the threaded post.

6. The claim of claim 5, further comprising a threaded post extending upwardly from the frame proximate the first end, the first clamp member including a plurality of openings configured to selectively receive the threaded post.

5 7. A weapon holder apparatus configured to be mounted between a first door frame and a second door frame of a vehicle, the weapon holder apparatus comprising:

a frame member having a first end and a second end;
a weapon holder coupled to the frame member;
a first clamp member coupled to the first end of the frame member, the
10 first clamp member being configured to engage the first door frame;
a second clamp member coupled to the second end of the frame member, the second clamp member being configured to engage the second door frame; and

a tightener including a threaded insert coupled to the second end of the
15 frame member, a tightening tab coupled to the second clamp member and coaxially aligned with the threaded insert, and a tightening bolt threadably received within the insert, the bolt being configured to drive the tab in movement relative to the insert as the bolt is rotated within the insert in a direction causing movement toward the first clamp member.

20 8. The apparatus of claim 7, wherein the first clamp is fixed to the first end of the frame member, and the second clamp is slidably coupled to the second end of the frame member to permit the distance between the first clamp and the second clamp to be adjusted.

25 9. The apparatus of claim 8, further comprising a threaded post extending upwardly from the frame member proximate the second end, the second clamp member including a longitudinally extending slot receiving the threaded post wherein the second clamp member is configured to slidably move relative to the threaded post.

30 10. The apparatus of claim 9, further comprising a threaded post extending upwardly from the frame member proximate the first end, the first clamp member including a plurality of openings configured to selectively receive the threaded post.

11. The apparatus of claim 7, wherein the tightening bolt includes a threaded shaft coupled to a head, the threaded shaft received within the threaded insert

and the head being selectively engageable with the tightening tab for driving the tab in movement.

12. A clamp for fixing a gun rack to a vehicle, the clamp comprising:
an elongated frame member having a first end and a second end, the
5 frame member defining an interior chamber;
a first clamp member supported by the frame member for longitudinal
movement relative to the frame member;
a second clamp member supported by the frame member for
longitudinal movement relative to the frame member; and
10 a tensioning device supported within the interior chamber of the frame
member and operably coupled to the first and second clamp members, wherein
movement of the tensioning device causes simultaneous movement of both the first
and second clamp members relative to the elongated frame member.
13. The clamp of claim 12, wherein the tensioning device includes a
15 rotatably supported tensioning wheel, a first connecting member coupled to the
tensioning wheel and the first clamp member, and a second connecting member
coupled to the tensioning wheel and the second clamp member.
14. The clamp of claim 13, further comprising: a first threaded post
extending upwardly from the frame member proximate the first end, the first clamp
20 member including an opening configured to receive the first threaded post; and a
second threaded post extending upwardly from the frame member proximate the
second end, the second clamp member including an opening configured to receive the
second threaded post.
15. The clamp of claim 14, wherein the first and second connecting
25 members couple the tensioning wheel to the first and second threaded posts such that
rotation of the wheel causes simultaneous sliding movement of the first and second
clamp members relative to the frame.
16. The clamp of claim 12, further comprising a ratcheting mechanism
operably coupled to the tensioning wheel and configured to permit rotation of the
30 tensioning wheel in a first direction while preventing rotation of the tensioning wheel
in a second direction opposite the first direction.